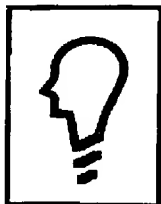


JUL 21 2004



LUMEN INTELLECTUAL PROPERTY SERVICES
2345 Yale St., 2nd Floor
Palo Alto, CA 94306
Phone: (650) 424-0100
Fax: (650) 424-0141
gu@lumen.com
www.lumen.com

OFFICIAL

FAX COVER SHEET**Total Pages (including cover): 27**

Date: July 21, 2004
From: Robert Lodenkamper, Reg. No. 55,399
To: Examiner McPherson, John A.
Your Fax: 703-872-9306
Re: 09/853,345, Atty. Docket No. ARC9-2001-0017US1
Memo: The following documents are enclosed herewith:
Transmittal form
Fee transmittal form
Response to office action 5 pages
Petition under 37CFR 1.47 2 pages
Declaration under 37 CFR 1.131 17 pages

CONFIDENTIAL INFORMATION

The information in this facsimile transmission is privileged.
Please notify us immediately if you received this communication in error

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the
United States Patent and Trademark Office

on .
Date

7/21/04

Tianhua Gu

Signature

Tianhua Gu

Typed or printed name of person signing Certificate

JUL 21 2004

OFFICIAL

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/853,345
	Filing Date	5/10/2001
	First Named Inventor	Robert E. Fontana
	Art Unit	1756
	Examiner Name	McPherson, John A.
	Attorney Docket Number	ARC9-2001-0017US1
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input checked="" type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Declaration under 37CFR 1.131
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or individual name	Robert Lodenkamper, Reg. No.55,399		
Signature	<i>Robert Lodenkamper</i>		
Date	7/21/04		

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name			
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

JUL 21 2004

OFFICIAL

IN THE US PATENT AND TRADEMARK OFFICE

Re: Application of

Fontana, Jr. et al.

Art Unit: 1756

Application No: 09/853,345

Examiner: McPherson, John A.

Filed: 05/10/2001

Confirmation number: 7852

Docket number: ARC9-2001-0017US1

For: Fully Undercut Resist Systems Using E-Beam Lithography for
the Fabrication of High Resolution MR Sensors

I hereby certify that this correspondence is being deposited with the United States Postal
Service as first class mail in an envelope addressed to: Commissioner for Patents,
Alexandria VA, 22313-1450 on

date of deposit_____
Signature_____
Name of Person Signing

Commissioner for Patents
PO Box 1450, Alexandria VA 22313-1450

Sir:

Applicant replies to the Office Action mailed 5/21/2004 as
follows:

ARC9-2001-0017US1

1/5

(IBM-156/US) Reply 3